

Curso Completo de Lógica de Programação usando C#

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Seção: Vetores

Exercícios: testes de mesa com vetores

Execute manualmente os testes de mesa a seguir, preenchendo o comportamento das variáveis (se alguma variável não for usada no teste de mesa, apenas ignore-a).

<pre>a = 10; b = 20; c = (a + b) / 2; c = c - 40; v[4] = a + b + c;</pre> <table><tr><td>0</td><td></td><td>0</td><td></td><td>10</td></tr><tr><td>1</td><td></td><td>1</td><td></td><td>a</td></tr><tr><td>2</td><td></td><td>2</td><td></td><td>20</td></tr><tr><td>3</td><td></td><td>3</td><td></td><td>b</td></tr><tr><td>4</td><td>5</td><td>4</td><td></td><td>15-25</td></tr><tr><td>5</td><td></td><td>5</td><td></td><td>c</td></tr><tr><td>6</td><td></td><td>6</td><td></td><td></td></tr><tr><td colspan="2">v</td><td colspan="2">w</td><td>d</td></tr></table>	0		0		10	1		1		a	2		2		20	3		3		b	4	5	4		15-25	5		5		c	6		6			v		w		d	<pre>a = 2; while (a < 6) { v[a] = 10 * a; a = a + 1; }</pre> <table><tr><td>0</td><td></td><td>0</td><td></td><td>20</td></tr><tr><td>1</td><td></td><td>1</td><td></td><td>a</td></tr><tr><td>2</td><td>20</td><td>2</td><td></td><td></td></tr><tr><td>3</td><td>30</td><td>3</td><td></td><td>b</td></tr><tr><td>4</td><td>40</td><td>4</td><td></td><td></td></tr><tr><td>5</td><td>50</td><td>5</td><td></td><td>c</td></tr><tr><td>6</td><td></td><td>6</td><td></td><td></td></tr><tr><td colspan="2">v</td><td colspan="2">w</td><td>d</td></tr></table>	0		0		20	1		1		a	2	20	2			3	30	3		b	4	40	4			5	50	5		c	6		6			v		w		d	<pre>a = 7; b = a - 6; while (b < a) { v[b] = b * a; b = b + 2; }</pre> <table><tr><td>0</td><td></td><td>0</td><td></td><td>7</td></tr><tr><td>1</td><td>7</td><td>1</td><td></td><td>a</td></tr><tr><td>2</td><td></td><td>2</td><td></td><td>14</td></tr><tr><td>3</td><td>21</td><td>3</td><td></td><td>b</td></tr><tr><td>4</td><td></td><td>4</td><td></td><td></td></tr><tr><td>5</td><td>35</td><td>5</td><td></td><td>c</td></tr><tr><td>6</td><td></td><td>6</td><td></td><td></td></tr><tr><td colspan="2">v</td><td colspan="2">w</td><td>d</td></tr></table>	0		0		7	1	7	1		a	2		2		14	3	21	3		b	4		4			5	35	5		c	6		6			v		w		d
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